



## Material Safety Data Sheets: *Hot Blast*™

The following data on Hot Blast calcium chloride products provides a guide only. Any specific health concerns should be directed to a qualified industrial hygienist.

### Section 1: Material Identification and Use

*Material:* Calcium Chloride  
*Brand Name:* Hot Blast  
*Supplier Name:* Benick Brands  
*Emergency Phone #:*  
*Chemical Name:* Calcium Chloride Magnesium Chloride  
*Chemical Formula:*  $\text{CaCl}_2\text{MgCl}_2$   
*Trade Names:* Calcium Chloride Magnesium Chloride  
*Material Use:* Industrial Chemical or Ice Melter

### Section 2: Ingredients of the Material

Ingredients*	Approximate Concentration	C.A.S. Numbers	ACGIH-TLV	LD50/LC50
$\text{CaCl}_2$	30-60 %	10043-52-4	10mg/m <sup>3</sup> TWA	100mg/kg rat – oral/NA
$\text{MgCl}_2$	10-30%	7786-30-3	10mg/m <sup>3</sup> TWA	NA/NA

### Section 3: Physical Data

*Physical State:* Solid  
*Appearance:* Grayish white granules  
*Odor:* None  
*Odor Threshold:* N/A  
*Specific Gravity:* 1.09  
*Vapor Pressure:* N/A  
*Vapor Density:* N/A  
*Evaporation Rate:* N/A  
*Boiling Point:* Not Available  
*Freezing Point:* N/A  
*Solubility in Water:* 99%  
*%Volatile by Volume:* 0  
*pH:* 8.6  
*Density:*  
*Coefficient of H2O Oil:*

### Section 4: Fire & Explosion Hazard of Material

*Flammable:* No  
*Means Of Extinction:* Treat surrounding material  
*Special Extinguishing Procedures:* Wear self contained breathing apparatus  
*Flash Point:* None



Upper Explosion & Lower Explosion Limit:	N A
Auto Ignition Temperature:	N A
LDG Flammability Classification:	0
Hazardous Combustion Products:	Hydrogen Chloride gas
Sensitivity to Chemical Impact:	N A
Rate of Burning:	N A
Explosive Powder:	N A
Sensitivity to Static Discharge:	N A

#### **Section 5: Reactivity Data**

Chemical Stable:	Stable
Incompatible to Other Substances:	Corrosive to many metals
Reactivity:	Hydroscopic, solubilisation is exothermic
Hazardous Decomposition Products:	Hydrogen chloride gas when heated

#### **Section 6: Toxicological Properties of Product**

Route to Entry:	Skin or eye contact, inhalation, ingestion
Effects of Acute Exposure to Product:	Mild skin irritation, moderate to high eye and, respiratory tract irritation, large doses of ingested material may cause vomiting, nausea and gastro-intestinal upset
Effects of Chronic Exposure to Product:	Drying, defatting and dermatitis of the skin
LD50:	
LC50:	
Irritancy:	Hazardous by WHMIS criteria
Sensitization:	
Synergistic Materials:	Not available
Exposure Limit:	
Carcinogenic:	Non Hazardous by WHMIS criteria
Reproductive Effects:	Not available
Teratogenic:	Not available
Mutagenic:	Not available

#### **Section 7: Preventative Measures**

Personal Protective Equipment:	Dust mask, gloves & safety glasses
Engineering Controls:	Use local or area ventilation to remove dust
Spill Procedures:	Refer to hazard data and place in containers or vehicle with shovels or loaders, flush area with water
Waste disposal:	
Handling Procedure:	Avoid generating dust by unnecessary or excessive vigorous movements
Storage Requirements:	Keep dry, avoid contact with metals – keep out of reach of children
Shipping Information:	Keep covered



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**Section 8: First Aid Measures**

*Skin: Flush with water, obtain medical attention if rash develops*

*Eye: Flush with running water for at least 15 minutes & obtain medical attention*

*Inhalation: Move victim to fresh air, obtain medical advice if symptoms persist*

*Ingestion: Obtain medical attention. Do not induce vomiting to purge stomach, rinse mouth with water and drink one glass of water, call physician immediately*

**Section 9: Preparation Date of MSDS**

*Prepared by: Dell Tech Labs*

*Date: 11 30 98*

**Section 10: OSHA Hazard Communication Standard:**

**Section 11: US Department of Transportation (DOT) Information**

**Section 12: US Regulations**

**Section 13: Canadian Regulations**

*WHMIS Information: the Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is D28. Regarding the Transportation of Dangerous Goods Classification (TDG) this product is Not Regulated.*

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